

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 361  | Mold\$3 near5 apparatus and substrate and (stiffener or dam)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/11/15<br>15:37 |
| L2    | 32   | ("4891687"   "5929517"   "5973389"  <br>"6020221"   "6279758"   "6284569"  <br>"6303985"   "6326544"   "6426565"  <br>"6440777"   "6486562"   "6517662"  <br>"6519843"   "6584897"   "6599365"  <br>"6724071").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/11/15<br>15:37 |
| L3    | 3    | ("4710419").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/11/15<br>15:37 |
| L4    | 2    | ("5650593").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/11/15<br>15:37 |
| L5    | 140  | 438/120.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/11/15<br>15:37 |
| L6    | 713  | 257/667.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/11/15<br>15:37 |
| L7    | 4732 | 257/787.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/11/15<br>15:37 |
| L8    | 4252 | 257/678.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/11/15<br>15:37 |
| L9    | 4518 | 257/778.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/11/15<br>15:37 |
| L10   | 474  | (257/e23.001).ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;            | OR               | ON      | 2011/11/15<br>15:37 |

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|     |       |   | IBM_TDB   |    |    |                     |
| L11 | 326   | (257/e23.18).ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L12 | 1861  | (257/e23.039).ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L13 | 13622 | spray\$3 near3 mold\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L14 | 524   | L13 and semiconductor and substrate                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L15 | 361   | Mold\$3 near5 apparatus and substrate<br>and (stiffener or dam) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L16 | 7     | semiconductor and (plastic near2<br>stiffener) near10 substrate | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L17 | 9     | substrate and spool and (index adj<br>hole\$1)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L18 | 517   | substrate and (index adj hole\$1)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L19 | 508   | L18 not L17   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L20 | 220   | L19 and @ad<="20011231"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L21 | 260   | L19 and @ad<="20021231"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/11/15<br>15:37 |
| L22 | 230   | L19 and @ad<="20020215"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;            | OR | ON | 2011/11/15<br>15:37 |

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|     |       |  | IBM_TDB   |    |     |                     |
| L23 | 2     | ("5650593").FN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/11/15<br>15:37 |
| L24 | 245   | ((cobbley near2 chad) (baerlocher near2 cary)).inv.              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L25 | 51088 | (micron).as.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L26 | 47    | substrate with (stiffener dam support)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L27 | 31    | L26 and @ad<="20020215"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L28 | 98    | substrate with (stiffener dam support cas\$3 wall)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L29 | 51    | L28 not L26  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L30 | 36    | L29 and @ad<="20020215"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L31 | 137   | substrate with (stiffener dam support\$4 cas\$3 wall sidewall)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L32 | 39    | L31 not L28  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L33 | 26    | L32 and @ad<="20020215"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L34 | 16    | (mold\$3 near5 apparatus) same substrate same (stiffener or dam) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |

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| L35 | 2598  | (board support substrate) with (plastic mold\$3) with (stiffner dam protrusion) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L36 | 1261  | 257/675.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L37 | 3792  | 257/676.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L38 | 733   | 257/e31.118.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L39 | 3760  | 257/e21.499.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L40 | 5341  | 438/106.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L41 | 976   | 438/112.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L42 | 2672  | 438/123.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L44 | 13    | "5888849"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L45 | 7     | "6897428"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L46 | 6     | ((("6897428") or ("6759307") or ("7335603")).PN.                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT             | OR | OFF | 2011/11/15<br>15:37 |
| L47 | 49547 | (polyimide polyamide epoxy) near5 plastic                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |

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| L48 | 25489 | (polyimide polyamide epoxy) near2 plastic   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L49 | 1601  | (interposer\$1 dam\$1 stiffener\$1) near5 (substrate wafer)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L50 | 427   | L49 and @ad<="20020215"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/11/15<br>15:37 |
| L51 | 2     | ("6759307").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT             | OR | OFF | 2011/11/15<br>15:37 |
| L52 | 101   | ("5369056" "5581121" "5864175"<br>"5369058" "6194247" "5901041"<br>"7288431" "7423331" "20030155636"<br>"20050029549" "20060068527"<br>"20060290011" "4246708" "4622764"<br>"4764029" "20070257518" "6020219"<br>"4917104" "5386164" "6300005"<br>"6717279" "20020167093"<br>"20030168749" "4572856" "4363595"<br>"4597583" "4845785" "4926523"<br>"6089294" "6127726" "6355199"<br>"6617525" "6910359" "20020056570"<br>"20080195817" "20110037292"<br>"5433632" "5871284" "5284128"<br>"5408056" "5034591" "5394009"<br>"5397921" "5409865" "5420460"<br>"5648679" "5801437" "5835355"<br>"5882459" "5895232" ).pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT   | OR | OFF | 2011/11/15<br>15:49 |
| L53 | 5405  | 257/666.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT   | OR | OFF | 2011/11/15<br>15:51 |
| L54 | 4793  | 257/787.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT   | OR | OFF | 2011/11/15<br>15:51 |
| L55 | 1485  | 257/e23.178.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT   | OR | OFF | 2011/11/15<br>15:51 |
| L56 | 729   | 257/e23.177.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT   | OR | OFF | 2011/11/15<br>15:51 |
| L57 | 1573  | 257/668.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;              | OR | OFF | 2011/11/15<br>15:52 |

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|     |      |               | DERWENT   |    |     |                     |
| L58 | 2762 | 438/118.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2011/11/15<br>15:52 |
| L59 | 1689 | 438/122.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2011/11/15<br>15:52 |

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